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was held on Wednesday evening at which short speeches were made by Dr. R. M. Yerkes and Dr. H. Addington Bruce.

The vice-president of the section for next year's meeting, at Boston, is Professor Raymond Dodge, and the new section committeeman is Dr. Yerkes.

FRANK N. FREEMAN  
*Secretary, Section I*

#### SECTION O—AGRICULTURE AND ASSOCIATED SOCIETIES

SECTION O met on Wednesday afternoon, December 28, 1921, with six associated societies. The program of the meeting consisted of a symposium on "The Cooperation of Canada and the United States in the Field of Agriculture." Dr. E. W. Allen, of Washington, delivered the retiring vice-presidential address on "The Method of Science in Agriculture," calling attention to the importance of the utilization of the most accurate scientific methods in agricultural investigations, pointing out ways in which certain lines of study now under way may be made more comprehensive and urging that attention be given constantly to the improvement of methods and that the interpretation of all results be based more directly upon the methods employed in the work.

Following the vice-presidential address, the following papers were read:

*Marketing Conditions in Canada:* ARCHIE LEITCH, Ontario Agricultural College, Guelph, Canada.

*Organization for research in the United States:* L. R. JONES, chairman, Division of Biology and Agriculture, National Research Council.

*Cooperation in research:* J. H. GRISDALE, deputy minister of agriculture, Ottawa, Canada.

*Some economic aspects of the wheat situation:* (Illustrated with lantern slides): CARLETON R. Ball, Bureau of Plant Industry, Washington, D. C.

*History and development of the Canadian Society of Technical Agronomists:* F. H. GRINDLEY, Gardenvale, P. Q., Canada.

The attendance at the meeting was very gratifying, over 50 persons being present. The addresses which were given were extremely interesting, and each was followed by considerable discussion. Particular interest was evi-

denced in the suggestions regarding organized research and greater cooperation between the United States and Canada in the development of research activities.

At the business session of the section, R. W. Thatcher, of the New York Agricultural Experiment Station, Geneva, N. Y., was elected vice-president, and E. W. Allen, of the United States Department of Agriculture, Washington, D. C., was elected a member of the section committee, his term of office to end January 1, 1926.

At the conclusion of the meeting a dinner was held at Queen's Hall; a large number of the members of the section were in attendance. This proved to be a most enjoyable occasion, and it is hoped that a dinner for Section O and all associated societies may be arranged at subsequent meetings of the association.

The meeting and dinner of Section O were highly successful in every way, and all those in attendance were enthusiastically in favor of having similar arrangements made for later meetings. The associated societies all have their programs; it is conceded that Section O should give a more general, somewhat introductory, program and one which will be of interest to all agricultural organizations. This feature of the program at Toronto was particularly successful, the dinner being an innovation which everyone felt had added materially to the success of the meeting.

*The American Society of Agronomy.*—This society held a meeting on Thursday, December 29, 1921, at which a general program of agronomic interest was prepared. Ten scientific contributions were presented; each was followed by considerable discussion. About 40 agronomists from Canada and the United States were in attendance, and the meeting was a most successful one in every way. Matters of general interest to both crops and soils men were discussed, and the exchange of ideas between the Canadian and United States investigators was particularly valuable. Since this was not the annual meeting of the society, no business was transacted. Resolutions were adopted, however, urging the continuation of the publication of the *Experiment Station Record* and the *Journal of Agricultural Re-*

search, by the United States Department of Agriculture.

*The American Society for Horticultural Science.*—This society held sessions beginning on Wednesday and continuing through Friday. The scientific contributions, of which there were 31, were given in groups under the heading of "Breeding," "Fruit Setting," "Nutrition," "Growth Studies," and "Extension."

On Thursday afternoon a joint session with the Botanical Society and the Ecological Society consisted of a symposium on "Frost Resistance, Hardiness, and Winter Killing of Plants." At the symposium the following papers were read:

*Geographical distribution of low temperature conditions:* FORREST SHREVE, Tucson, Ariz.

*Observation on hardiness in Canada:* W. T. MACOUN, Ottawa, Canada.

*Relation of water retaining capacity to hardiness:* J. T. ROSA, JR., Columbia.

*Effect of low temperature storage and freezing on fruits and vegetables:* L. E. HAWKINS, Washington, D. C.

*A colloidal chemical basis for resistance to low temperatures:* R. NEWTON, St. Paul, Minn.

*Physiological and chemical studies of fruits in storage:* J. R. MAGNESS, Canton, Pa.

*Hardiness from the horticultural point of view:* M. J. DORSEY, Morgantown, W. Va.

There was a large attendance of horticulturists, and much interest was evidenced in the program at all sessions.

On Thursday the annual dinner of the society was held; this proved a very enjoyable occasion, the discussion following the dinner centering around the proposed horticultural journal.

*The Society of American Foresters.*—A joint meeting of this society was held with the Canadian Society of Forest Engineers on Tuesday and Wednesday. Thirty-three scientific papers were presented at the various sessions, being grouped under: "Fire Protection and Forest Administration," "Silviculture and Forest Pathology," "Utilization and Wood Technology," "Regulation and Management," and "Forest Botany."

The members of the society were entertained at dinner on Tuesday evening at the Hart House by the Canadian Society. After the

dinner, the retiring presidential address was given by Frederick E. Olmsted, on "Professional Ethics." Other informal addresses were made on this occasion. There was a large attendance of foresters. The program was very much appreciated, and the various papers aroused considerable discussion.

*Association of Official Seed Analysts.*—This society met on Wednesday, Thursday and Friday, with a general program at each session. Thirty scientific papers were presented; there was considerable discussion of the various papers. One of the most outstanding features of the meeting was the report of the president, Mr. George H. Clark, on the Copenhagen Conference.

*Geneticists Interested in Agriculture.*—This society met on Tuesday with a program consisting of a symposium on "The Genetics Curriculum in the College of Agriculture." Four papers were presented, and each was followed by a general discussion among the members present. About forty were in attendance, and great interest was evidenced in the methods which are being followed at various institutions in the teaching of genetics to agricultural students.

*Potato Association of America.*—This society met on Friday with a program consisting of reports of standing committees of the society on "Varietal Nomenclature and Testing," "Market Standards and Marketing," "Transportation," "Educational," "Judging Standards," "Relation of Varietal Type to Yield," "Investigations on Immature Seed Potatoes," and "Seed Potato Certification Standards."

There was a large attendance at the meeting of the society, and keen interest was evidenced in the papers presented. An exhibit of seed potatoes proved of particular interest, many of the states being represented, as well as the Province of Ontario. At the business session of the society, the following officers were elected: *President*, J. G. Milward, Madison, Wis.; *vice-president*, C. A. Zavitz, Guelph, Ont.; *secretary-treasurer*, Wm. Stuart, Washington, D. C.

P. E. BROWN,  
*Secretary, Section O, Agriculture*